

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Tanaka

Serial No. (not assigned)

Examiner (not assigned)

Filed concurrently herewith

Art Unit (not assigned)

For OPTICAL MODULE

Assistant Commissioner of Patents  
Washington, D.C. 20231

## PRELIMINARY AMENDMENT

Dear Sir:

Prior to calculation of the filing fee, Applicant wishes to amend the application as follows:

In the Claims:

Please amend claims 11 and 13 (a marked up version of claims 11 and 13 being appended hereto) and add new claims 14 and 15 as follows:

1 Claim 11 (amended). The optical module according to claim 9, wherein a side surface  
2 of said cap of said optical semiconductor element ad a side surface of said housing is  
3 at least partly covered with a casing, and a clearance therebetween is sealed with resin.

1 Claim 13 (amended). An optical module unit, comprising:  
2 a plurality of optical modules arrayed in juxtaposition and covered with a single  
3 common casing, each of said optical modules in said plurality including an optical  
4 semiconductor element of a cap sealing type mounted on a housing to be aligned with  
5 an optical axis of at least one optical part contained in the housing, wherein an upper  
6 surface of a cap of said optical semiconductor element is bonded to an end face of said  
7 housing; and

8 a resin sealing a clearance between each of said optical modules.

1 Claim 14 (new). The optical module according to claim 10, wherein a side surface of  
2 said cap of said optical semiconductor element ad a side surface of said housing is at  
3 least partly covered with a casing, and a clearance therebetween is sealed with resin.

1 Claim 15 (new). An optical module unit, comprising:

2 a plurality of optical modules arrayed in juxtaposition and covered with a single  
3 common casing, each of said optical modules in said plurality including an optical  
4 semiconductor element of a cap sealing type mounted on a housing to be aligned with  
5 an optical axis of a lens contained in a housing adapted to fittingly receive and hold a  
6 ferule of an optical plug of a mating connecting member, wherein an upper surface of a  
7 cap of said optical semiconductor element is bonded to an end face of said housing;  
8 and

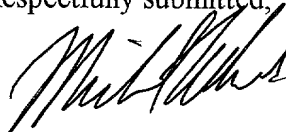
9 a resin sealing a clearance between each of said optical modules.

#### REMARKS

Claims 11 and 13 have been amended, and new claims 14 and 15 have been added. The amendment avoids multiple dependent claim language and does not introduce new matter.

Please proceed to examination on the merits.

Respectfully submitted,



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## Marked-Up Version of the Claims

1 Claim 11 (once amended). The optical module according to claim 9 [or 10], wherein  
2 a side surface of said cap of said optical semiconductor element ad a side surface of  
3 said housing is at least partly covered with a casing, and a clearance therebetween is  
4 sealed with resin.

1 Claim 13 (once amended). An optical module unit [wherein], comprising:  
2 a plurality of [the] optical modules [constructed according to claim 9 or 10  
3 are] arrayed in juxtaposition[, ] and covered with a single common casing, [and a  
4 clearance therebetween is sealed with resin] each of said optical modules in said  
5 plurality including an optical semiconductor element of a cap sealing type mounted on  
6 a housing to be aligned with an optical axis of at least one optical part contained in the  
7 housing, wherein an upper surface of a cap of said optical semiconductor element is  
8 bonded to an end face of said housing; and  
9 a resin sealing a clearance between each of said optical modules.